

# Injury-related Emergency Dept. Visits

# 2011\*

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>2</sup>
	Uninten- tional	Intentional		Undeter- mined	Other & Legal <sup>1</sup>			
		Self- inflicted	Assault					
Cut/pierce	58,888	2364	1348	63	9	62,672	9.2	951.4
Drowning/submersion	92	<7	<7	<7		98	0.0	1.5
Fall	183,954	26	32	92		184,104	27.0	2,794.7
Fire/burn	8,752	40	42	53		8,887	1.3	134.9
<i>Fire/flare</i>	1,328	39	16	46		1,429	0.2	21.7
<i>Hot object/substance</i>	7,424	<7	26	7		7,458	1.1	113.2
Firearm	128	<7	215	32	10	386	0.1	5.9
Machinery	2,916					2,916	0.4	44.3
Natural/Environmental	28,699	<7		39		28,740	4.2	436.3
<i>Dog bites</i>	6,603	0		0		6,603	1.0	100.2
<i>Other bites &amp; stings</i>	19,347	0		0		19,347	2.8	293.7
<i>All other (e.g. extreme cold)</i>	2,749	<7		39		2,790	0.4	42.4
Overexertion	66,798					66,798	9.8	1,014.0
Poisoning	7,756	3132	17	2885	<7	13,794	2.0	209.4
Struck by, against	91,489		12251		416	104,156	15.3	1,581.1
Suffocation	401	106	42	7		556	0.1	8.4
Transport-related Injuries	75,554	10	23	<7		75,591	11.1	1,147.5
<i>Motor vehicle traffic-related</i>	64,185	10	23	<7		64,222	9.4	974.9
<i>Occupant</i>	53,692					53,692	7.9	815.1
<i>Motorcyclist</i>	2,117					2,117	0.3	32.1
<i>Pedal cyclist</i>	1,093					1,093	0.2	16.6
<i>Pedestrian</i>	3,325					3,325	0.5	50.5
<i>Other person</i>	203					203	0.0	3.1
<i>Unspecified</i>	3,755					3,755	0.6	57.0
<i>Pedal cyclist, other</i>	7,073					7,073	1.0	107.4
<i>Pedestrian, other</i>	447					447	0.1	6.8
<i>Transportation, other</i>	3,849	0	0	0	0	3,849	0.6	58.4
Other-specified & classifiable	28,388	12	2,517	18	12	30,947	4.5	469.8
<i>Human bites</i>	600		1030			1,630	0.2	24.7
<i>Non-powder gun (BB, pellet)</i>	224	<7	29	14	0	270	0.0	4.1
<i>Other specified &amp; classifiable</i>	27,564	9	1458	<7	12	29,047	4.3	440.9
Other specified, not classifiable	13,170	525	4450	153	18	18,316	2.7	278.0
Unspecified	47,235	127	2919	3042	82	53,405	7.8	810.7
Adverse effects <sup>3</sup>						1,190	0.2	18.1
Cause and Intent are not provided						29,291	4.3	444.6
<b>TOTALS<sup>4</sup></b>	<b>614,220</b>	<b>6,346</b>	<b>23,859</b>	<b>6,390</b>	<b>551</b>	<b>681,847</b>	<b>100.0</b>	<b>10,350.6</b>
<b>RATE BY INTENT/per 100,000</b>	<b>9,324.0</b>	<b>96.3</b>	<b>362.2</b>	<b>97.0</b>	<b>8.4</b>			

**Source:** Massachusetts Outpatient Emergency Department Discharge Database, Center for Health Information and Analysis (CHIA)

\*All CHIA data sets are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2010 - September 30, 2011 and will be different than numbers generated through the Department's query based system MassCHIP.

<sup>1</sup> Legal Intervention includes injuries resulting from police actions and operations of war.

<sup>2</sup> Counts less than 7 are suppressed and rates are not calculated. Rates that are based on counts less than twenty may be unstable.

<sup>3</sup> Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

<sup>4</sup> Totals do not include subcategory counts. Total percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Categories and groupings are based on the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Only Massachusetts residents are included in this analysis.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2011 population estimates by the US Census Bureau. Estimated 2011 Massachusetts population is 6,587,536. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, July 2013.